



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/786,774

DATE: 07/21/2004
TIME: 09:27:25

Input Set : A:\08550~1.txt
Output Set: N:\CRF4\07212004\J786774.raw

3 <110> APPLICANT: Holoshitz, Joseph
4 Ling, Song
6 <120> TITLE OF INVENTION: Methods and Compositions for the Treatment of Diseases
Associated
7 with Signal Transduction Aberrations
9 <130> FILE REFERENCE: UM-08550
11 <140> CURRENT APPLICATION NUMBER: 10/786,774
C--> 12 <141> CURRENT FILING DATE: 2004-02-25
14 <160> NUMBER OF SEQ ID NOS: 36
16 <170> SOFTWARE: PatentIn version 3.2
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 5
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Synthetic
26 <400> SEQUENCE: 1
28 Gln Lys Arg Ala Ala
29 1 5
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 5
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Synthetic
40 <400> SEQUENCE: 2
42 Gln Arg Arg Ala Ala
43 1 5
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 5
48 <212> TYPE: PRT
49 <213> ORGANISM: Escherichia coli
52 <220> FEATURE:
53 <221> NAME/KEY: MISC_FEATURE
54 <222> LOCATION: (2)..(2)
55 <223> OTHER INFORMATION: The residue at this position can be lysine or arginine.
57 <220> FEATURE:
58 <221> NAME/KEY: MISC_FEATURE
59 <222> LOCATION: (3)..(4)
60 <223> OTHER INFORMATION: The residues at these positions can be any amino acid.
62 <400> SEQUENCE: 3
W--> 64 Gln Xaa Xaa Xaa Ala
65 1 5
68 <210> SEQ ID NO: 4

(pg. 6)
ENTERED

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69 <211> LENGTH: 5
70 <212> TYPE: PRT
71 <213> ORGANISM: Escherichia coli
74 <220> FEATURE:
75 <221> NAME/KEY: MISC_FEATURE
76 <222> LOCATION: (3)..(4)
77 <223> OTHER INFORMATION: The residues at these positions can be any amino acid.
79 <400> SEQUENCE: 4

W--> 81 Gln His Xaa Xaa Ala

82 1 5
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 15
87 <212> TYPE: PRT
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Synthetic
93 <400> SEQUENCE: 5

95 Lys Asp Leu Leu Glu Gln Lys Arg Ala Ala Val Asp Thr Tyr Cys
96 1 5 10 15

99 <210> SEQ ID NO: 6
100 <211> LENGTH: 14
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Synthetic
107 <400> SEQUENCE: 6

109 Lys Asp Leu Leu Glu Gln Lys Arg Ala Ala Val Asp Thr Tyr
110 1 5 10

113 <210> SEQ ID NO: 7
114 <211> LENGTH: 15
115 <212> TYPE: PRT
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Synthetic
121 <400> SEQUENCE: 7

123 Lys Asp Ile Leu Glu Asp Glu Arg Ala Ala Val Asp Thr Tyr Cys
124 1 5 10 15

127 <210> SEQ ID NO: 8
128 <211> LENGTH: 14
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Synthetic
135 <400> SEQUENCE: 8

137 Lys Asp Ile Leu Glu Asp Glu Arg Ala Ala Val Asp Thr Tyr
138 1 5 10

141 <210> SEQ ID NO: 9
142 <211> LENGTH: 15
143 <212> TYPE: PRT

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144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Synthetic
149 <400> SEQUENCE: 9
151 Lys Asp Leu Leu Glu Gln Arg Arg Ala Glu Val Asp Thr Tyr Cys
152 1 5 10 15
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 15
157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Synthetic
163 <400> SEQUENCE: 10
165 Lys Asp Leu Leu Glu Gln Arg Arg Ala Ala Val Asp Thr Tyr Cys
166 1 5 10 15
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 5
171 <212> TYPE: PRT
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Synthetic
177 <400> SEQUENCE: 11
179 Gln Lys Arg Leu Ala
180 1 5
183 <210> SEQ ID NO: 12
184 <211> LENGTH: 5
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Synthetic
191 <400> SEQUENCE: 12
193 Gln Lys Cys Leu Ala
194 1 5
197 <210> SEQ ID NO: 13
198 <211> LENGTH: 5
199 <212> TYPE: PRT
200 <213> ORGANISM: Escherichia coli
203 <220> FEATURE:
204 <221> NAME/KEY: MISC_FEATURE
205 <222> LOCATION: (2)...(2)
206 <223> OTHER INFORMATION: The residue at this position is dLys.
208 <400> SEQUENCE: 13
210 Gln Lys Arg Ala Ala
211 1 5
214 <210> SEQ ID NO: 14
215 <211> LENGTH: 5
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:

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220 <223> OTHER INFORMATION: Synthetic
 222 <400> SEQUENCE: 14
 224 Gln Lys Arg Ala Glu
 225 1 5
 228 <210> SEQ ID NO: 15
 229 <211> LENGTH: 5
 230 <212> TYPE: PRT
 231 <213> ORGANISM: Artificial Sequence
 233 <220> FEATURE:
 234 <223> OTHER INFORMATION: Synthetic
 236 <400> SEQUENCE: 15
 238 Gln Glu Cys Leu Ala
 239 1 5
 242 <210> SEQ ID NO: 16
 243 <211> LENGTH: 5
 244 <212> TYPE: PRT
 245 <213> ORGANISM: Artificial Sequence
 247 <220> FEATURE:
 248 <223> OTHER INFORMATION: Synthetic
 250 <400> SEQUENCE: 16
 252 Asp Lys Cys Leu Ala
 253 1 5
 256 <210> SEQ ID NO: 17
 257 <211> LENGTH: 169
 258 <212> TYPE: PRT
 259 <213> ORGANISM: Artificial Sequence
 261 <220> FEATURE:
 262 <223> OTHER INFORMATION: Synthetic
 264 <400> SEQUENCE: 17
 266 Met Asp Ile Asp Pro Tyr Lys Glu Phe Gly Ala Thr Val Glu Leu Leu
 267 1 5 10 15
 270 Ser Phe Leu Pro Ser Asp Phe Phe Pro Ser Val Arg Asp Leu Leu Asp
 271 20 25 30
 274 Asn Ala Ser Ala Leu Tyr Arg Glu Ala Leu Glu Ser Pro Glu His Cys
 275 35 40 45
 278 Ser Pro His His Thr Ala Leu Arg Gln Ala Ile Leu Cys Trp Gly Glu
 279 50 55 60
 282 Leu Met Thr Leu Ala Thr Trp Val Gly Gly Asn Leu Glu Asp His Lys
 283 65 70 75 80
 286 Asp Leu Leu Glu Gln Lys Arg Ala Ala Val Asp Thr Tyr Cys Val Asp
 287 85 90 95
 290 Pro Ile Ser Arg Asp Leu Val Val Ser Tyr Val Asn Thr Asn Met Gly
 291 100 105 110
 294 Leu Lys Phe Arg Gln Leu Leu Trp Phe His Ile Ser Cys Leu Thr Phe
 295 115 120 125
 298 Gly Arg Glu Thr Val Ile Glu Tyr Leu Val Ser Phe Gly Val Trp Ile
 299 130 135 140
 302 Arg Thr Pro Pro Ala Tyr Arg Pro Pro Asn Ala Pro Ile Leu Ser Thr
 303 145 150 155 160

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Input Set : A:\08550-1.txt
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306 Leu Pro Ala Trp Ala Arg Val Ile Asn
307 165
310 <210> SEQ ID NO: 18
311 <211> LENGTH: 169
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Synthetic
318 <400> SEQUENCE: 18
320 Met Asp Ile Asp Pro Tyr Lys Glu Phe Gly Ala Thr Val Glu Leu Leu
321 1 5 10 15
324 Ser Phe Leu Pro Ser Asp Phe Phe Pro Ser Val Arg Asp Leu Leu Asp
325 20 25 30
328 Asn Ala Ser Ala Leu Tyr Arg Glu Ala Leu Glu Ser Pro Glu His Cys
329 35 40 45
332 Ser Pro His His Thr Ala Leu Arg Gln Ala Ile Leu Cys Trp Gly Glu
333 50 55 60
336 Leu Met Thr Leu Ala Thr Trp Val Gly Gly Asn Leu Glu Asp His Lys
337 65 70 75 80
340 Asp Ile Leu Glu Asp Glu Arg Ala Ala Val Asp Thr Tyr Cys Val Asp
341 85 90 95
344 Pro Ile Ser Arg Asp Leu Val Val Ser Tyr Val Asn Thr Asn Met Gly
345 100 105 110
348 Leu Lys Phe Arg Gln Leu Leu Trp Phe His Ile Ser Cys Leu Thr Phe
349 115 120 125
352 Gly Arg Glu Thr Val Ile Glu Tyr Leu Val Ser Phe Gly Val Trp Ile
353 130 135 140
356 Arg Thr Pro Pro Ala Tyr Arg Pro Pro Asn Ala Pro Ile Leu Ser Thr
357 145 150 155 160
360 Leu Pro Ala Trp Ala Arg Val Ile Asn
361 165
364 <210> SEQ ID NO: 19
365 <211> LENGTH: 54
366 <212> TYPE: DNA
367 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
370 <223> OTHER INFORMATION: Synthetic
372 <400> SEQUENCE: 19
373 cacaaggacc tcctggagca gaagcgggcc gcgggtggaca cctactgcgt agat 54
376 <210> SEQ ID NO: 20
377 <211> LENGTH: 54
378 <212> TYPE: DNA
379 <213> ORGANISM: Artificial Sequence
381 <220> FEATURE:
382 <223> OTHER INFORMATION: Synthetic
384 <400> SEQUENCE: 20
385 cacaaggaca tcctggaaaga cgagcgggcc gcgggtggaca cctactgcgt agat 54
388 <210> SEQ ID NO: 21
389 <211> LENGTH: 5

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 2,3,4
Seq#:4; Xaa Pos. 3,4
Seq#:21; Xaa Pos. 2,3,4
Seq#:25; Xaa Pos. 3,4
Seq#:26; Xaa Pos. 3,4
Seq#:27; Xaa Pos. 3,4
Seq#:30; Xaa Pos. 1,7
Seq#:31; Xaa Pos. 1,7
Seq#:32; Xaa Pos. 1,7
Seq#:33; Xaa Pos. 1,7
Seq#:34; Xaa Pos. 1,7
Seq#:35; Xaa Pos. 1,7
Seq#:36; Xaa Pos. 1,7

VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0